

Office of Coordinated School Health Annual Data and Compliance Report 2007



SCHOOL HEALTH, WELLNESS, MEDICATIONS and PROCEDURES TENNESSEE PUBLIC SCHOOLS

**TCA § 49-5-415
TCA § 49 -1-1001 et seq
TCA § 49-6-5004
TCA § 49-3-359 (c) (2)
TCA § 49-5-414
TCA § 49-6-2307**



Tennessee Department of Education

ED-3090 (Rev 8-07)

Office of Coordinated School Health

Annual School Health Data and Compliance Report 2007

The Office of Coordinated School Health surveys all public school systems annually to monitor compliance with state school health laws and to assess the scope of school health services provided to Tennessee public school students. All 137 school systems returned their survey for inclusion in this report.

MEDICATIONS

Total Number of Students Self-Administering Medications at School - Statewide

Type of Medicines <u>Self-Administered</u> at School During the School Year Under Supervision of School Personnel	Number of Students <u>Self-Administering</u> these Medications at School	Percent of Total
Inhalants	16,634	17%
Insulin	1,650	2%
Topical	8,105	9%
Behavioral	6,041	6%
Antibiotic	2,816	3%
Seizure control/prevention	403	.5%
Prescription	15,600	16%
Non-Prescription	42,195	44%
Other	2,262	2.5%
Total	95,706	100%

*The most common medications administered by students are:
Non-prescription drugs (44%), Inhalants (17%), and Prescription drugs (16%).*

***Number of Students Receiving Medications Administered by a
Health Care Professional - Statewide***

Type of Medicines	Total Number of Students Receiving Medication <u>Administered by Licensed Health Care Professional</u>	Percent of Total
Insulin	1,009	1%
Insulin Pump assistance	512	.6%
Aerosol	6016	7%
Topical	29,572	34%
Behavioral	8,995	10%
Antibiotic	2,304	3%
Seizure	693	.8%
G Tube (any medicines)	407	.6%
Other	36,424	43%
Total	85,932	100%

*The most common medications administered in schools by a health care professional are:
Other (43%), Topical (34%) and Behavioral (10%).*

***Number of Students Receiving a Health Care Procedure on a Daily or Routine Basis
at School from a Licensed Health Care Professional - Statewide***

Procedure Performed by Licensed Health Care Professional	Total Number of Students Receiving Procedure on a Daily or Routine Basis at School from Licensed Health Care Professional	Percent of Total
C.I.C.	287	4%
G/T tube feeding	867	11%
Trach care	145	2%
Injections	911	12%
Blood glucose monitoring	2,490	32%
Nebulizer treatment	735	9%
Carb counting	1,532	20%
Other	776	10%
Total	7,743	100%

*The most frequent procedures performed by Licensed Health Care Professionals are:
Blood Glucose Monitoring (32%), Carb Counting (20%) and Injections (12%).*

Indicate Type of Secured Storage Used For Medications in the School - Statewide

Locked Cabinet	132
Locked Desk Drawer	82
Locked Storage Closet or Cabinet	99
Other Secured Location (specify)	51

Most medications are stored in a locked cabinet, storage closet or desk drawer.

Number and Type of Personnel Trained Annually and Assigned to Handle Medications and Record Keeping - Statewide

Personnel Trained Annually and Assigned to Handle Medications and Record Keeping	Total Number	Percent of Total
Principals	558	6%
Assistant Principals	354	4%
Teachers	4,615	46%
School Counselors	236	2%
Secretaries	2,311	23%
Nurses	998	10%
Nurse Assistants	181	2%
Other (specify)	755	7%
Total	10,008	100%

The vast majority of school personnel trained annually to handle medications and record keeping are teachers (46%) followed by nurses (10%) and other (7%).

School Nurses

Total Number and Type of School Nurses Working in Tennessee's School Systems

Nurses	Total FTE's* Employed by School System	Total FTE's Contracted by School System
Registered Nurses		
School Nurses**	371	334
Special Ed Nurses ***	72	75
Licensed Practical Nurses		
School Nurses **	56	100
Special Ed Nurses ***	40	36
Total	539	545

*FTE = Full Time Equivalent (use whole numbers with decimals to show totals for each)

**BEP funds specified, other local, or federal sources used to employ or contract

***Special Education funds used to employ or contract

School systems hire nurses to serve the general school population and to serve the special education population. Nurses can be hired as full time employees (50%) or their services can be provided through a contract (50%). Tennessee school systems employed 232 LPN's and 852 RN's during the 2006-2007 school year. There were 223 nurses (LPN's and RN's) hired to serve special education students. There were 861 nurses (LPN's and RN's) hired to serve the general school population. There were a total of 1,084 nurses (both RN's and LPN's) working in Tennessee schools this past year serving both the general school population and the special education population.

Required Reading for Nurses

Number of school systems that provided Guidelines for Use of Health Care Professionals and Health Care Procedures in a School Setting, (TCA 49-5-415) to each principal and school nurse. (All nurses should receive staff development annually due to frequent revisions):

Yes: **134** No: **3**

Most school systems in Tennessee are in compliance with this law.

Number of school systems that provided Quality Nursing Interventions in the School Setting by Janice Hootman and Pediatrics Education for Diabetes manual from the PADRE Foundation referenced in the *Guidelines* to all nurses and their supervisors (TCA 49-5-415)

Yes: **134** No: **3**

Most school systems in Tennessee are in compliance with this law.

Number of Nurses-to-Students Ratio

Number of School Systems that meet the requirement for number of nurses per students ratio of 1:3,000. (Does not include nurses who are contracted or hired to provide procedures or treatments only.)

Yes: **134** No: **3**

Most school systems in Tennessee are in compliance with this law.

CARDIO-PULMONARY RESUSITATION (CPR) REQUIREMENTS (TCA 49-5-414)

Total number of full-time school employees who are currently certified in CPR: **12,834**

Number of school systems that provided CPR training as a Professional Development opportunity this past school year (2006-2007): Yes: **116** No: **21**

Total number of school staff that participated in professional development for CPR: **7,927**

Type of payment source for training and re-certification in CPR by school systems:

- ◆ Staff incurs cost - **25**
- ◆ LEA incurs cost - **111**
- ◆ Did Not Answer - **15**
- ◆ Staff & LEA Pays - **13**

If LEA pays, which program covers the cost?

- ◆ School Safety - **10**
- ◆ Safe and Drug-Free Schools - **15**
- ◆ General fund - **79**
- ◆ More than one funding source - **15**
- ◆ Other - **36**

Total number of schools that provided CPR training to students (Public Chapter 866):

- ◆ Yes: **99** No: **30** Did Not Answer: **8**

Total # of Students that received CPR training during the 2006-2007 school year: **5,014**

Health Screenings

Number of School Systems that Provide Health Screening Programs

Type of Health Screening	Number of School Systems (136 total possible)
Vision	135
Hearing	133
Dental	85
Body Mass Index (BMI)	82
Blood Pressure	64
Scoliosis	42
Other	22

*Most school systems are providing vision and hearing screening for their students.
Approximately, 63% of all school systems are providing some type of
dental screening and 60% are collected BMI data.*

***Total Number of Students Referred to a Healthcare Provider
as a Result of School Health Screening Programs - Statewide***

Type of Health Screening	Number of Referral(s) made to a Healthcare Provider	Percent of Total
Vision	19,875	35%
Hearing	7,330	13%
Dental	15,757	27%
Body Mass Index	7,232	13%
Blood Pressure	1,976	3%
Scoliosis	939	2%
Other	3,848	7%
Total	56,957	100%

Most referrals made to a Health Care Provider were a result of vision screenings (35%), dental screenings (27%), hearing (13%) and Body Mass Index (13%). There were 56,957 referrals made to Health Care Providers as a result of school screenings this past year.

Student Diagnoses

***Total Number of Students in School Systems with Diagnosis
of Chronic Illness or Disability- Statewide***

Chronic Illness or Disability Diagnosis	Total Number of Students During School Year	Percent of Total
Diabetes	3,072	3%
Asthma	49,655	51%
ADHD/ADD	24,357	25%
Other	21,066	21%
Total	98,150	100%

Most Tennessee students were diagnosed with Asthma (51%), ADHD/ADD (25%) and Other (21%).

INDIVIDUAL HEALTH PLAN

Number of School Systems

Number of school systems that developed an Individual Health Plan (IHP) for all students with chronic or long-term illnesses (*i.e. Asthma, Diabetes, Seizures, Sickle Cell Anemia, Cardiac Conditions, and Severe Allergic Reactions*) (*School Nurse is involved where available*):

Yes: **127** No: **10** NA: **0**

93% of all Tennessee school systems developed Individual Health Plans for students with chronic or long-term illnesses.

PHYSICAL EDUCATION/ACTIVITY

Number of school systems that provided daily physical education for students:

Yes: **67** No: **70** NA: **0**

Only 49% of all school systems provide daily physical education for their students.

Number of school systems that provided 90 minutes of physical activity per week for all students (*Chapter 1001, Public Acts, 2006 House Bill 3750*) (*supervised recess, walking, class or group physical activity, integration into curriculum*):

Yes: **85** No: **52** NA: **0**

62% of Tennessee school systems have implemented the 90 minutes of physical activity law.

FOOD VENDING AND A LA CARTE

Number of school systems that are in compliance with TCA 49-6-2307 (*foods vended, served a la carte, sold or offered for sale*):

Yes: **130** No: **4** NA: **3**

Almost all Tennessee school systems (95%) are in compliance with the food vending and a la carte law.

HIV STAFF TRAINING

Number of school systems that provided annual staff training on HIV and blood-borne Pathogens:

Yes: **128** No: **6** NA: **3**

Almost all Tennessee school systems (93%) are in compliance with the HIV and Blood-borne Pathogens staff training law.

GLUCAGON POLICY/USAGE

Number of school systems that have a policy permitting emergency administration of Glucagon by school personnel:

Yes: **79** No: **57** NA: **1**

Only 57% of all Tennessee school systems have developed a Glycagon emergency administration policy.

Total number of times Glucagon was administered in schools:

4

Glucagon was administered 4 times in Tennessee public schools during the 2006-2007 school year.

Note: NA stands for "No Answer"

COORDINATED SCHOOL HEALTH (TCA 49-1-1001 et seq)

Coordinated School Health	Yes or No	Number Schools Involved	System wide Yes or No
A Coordinated School Health initiative, as mandated by TCA 49-1-1002, PC 1001, has been implemented in our school system.	NO 37 YES 97 NA 3	665	NO 41 YES 86 NA 10
The Coordinated School Health Model has been reviewed and discussed at least annually during professional development/in-service. www2.edc.org/MakingHealthAcademic	NO 37 YES 96 NA 4	703	NO 34 YES 87 NA 16
School Health Advisory Council is in place. (system level)	NO 19 YES 112 NA 6	795	NO 21 YES 92 NA 24
<u>School Health Index</u> is used as a self-assessment and planning guide. www.cdc.gov/nccdphp/dash/SHI	NO 21 YES 112 NA 4	1,004	NO 27 YES 99 NA 11
School Health/Wellness Team or Committee has been formed and is meeting regularly. (school level) www.schoolhealth.org/schcoun.html	NO 21 YES 111 NA 5	854	NO 26 YES 94 NA 17
USDA Wellness Policy has been implemented. **Section 204 Public Law 108-265 Local Wellness Policy	NO 3 YES 128 NA 6	1,297	NO 5 YES 116 NA 16
Staff Wellness Program(s) have been developed and implemented. www.cdc.gov/nccdphp/dnpa	NO 36 YES 93 NA 8	425	NO 73 YES 53 NA 11
School Safety and Emergency Plans have been reviewed and are updated at least annually. www.state.tn.us/education/sp/sp-drugs.htm	NO 1 YES 132 NA 4	1,312	NO 1 YES 119 NA 17
An increasing Physical Activity initiative has been implemented. www.cdc.gov/nccdphp/dash/about/healthyyouth.htm	NO 21 YES 109 NA 7	846	NO 31 YES 89 NA 17
An increasing Healthy Eating Habits initiative has been implemented. www.cdc.gov/nccdphp/dash/about/healthyyouth.htm	NO 16 YES 116 NA 5	992	NO 23 YES 97 NA 17

An Alcohol and Drug Abuse Prevention initiative has been implemented.	NO 12 YES 116 NA 9	757	NO 25 YES 95 NA 19
A HIV/AIDS/Family Life/Teen Pregnancy Prevention initiative has been implemented.	NO 26 YES 104 NA 7	634	NO 42 YES 76 NA 19
A Violence (<i>bullying and suicide prevention are examples</i>) Prevention initiative has been implemented.	NO 9 YES 121 NA 7	964	NO 17 YES 100 NA 20
A plan to identify uninsured students and to provide access to CoverKids has been implemented.	NO 58 YES 73 NA 6	488	NO 61 YES 65 NA 11
An initiative to partner with the Governor's Project Diabetes has been implemented.	NO 94 YES 36 NA 7	207	NO 96 YES 28 NA 13
School Health Index, Youth Risk Behavior Survey, and local health data are incorporated as non-academic data for school improvement planning and the TCSPP.	NO 41 YES 89 NA 7	613	NO 43 YES 77 NA 17
EPA <i>Indoor Air Quality: Tools for Schools Kit</i> has been used to assess and plan at school level. www.state.tn.us/education/030804newsltr.htm	NO 73 YES 54 NA 10	333	NO 78 YES 41 NA 18

Current Revisions to Tennessee Code Annotated

1. Tennessee Code Annotated Section 49-5-415 was amended to permit possession and self-administration a prescribed, metered dosage, asthma-reliever inhaler by any asthmatic student if certain criteria are followed including the development of an Individual HealthCare Plan. (Public Chapter 493)
2. Tennessee Code Annotated Section 49-5-415 was amended to permit school personnel to volunteer to assist with the care of students with diabetes, excluding the administration of insulin. (Public Chapter 734)
3. Tennessee Code Annotated Section 49-5-414 and Section 49-3-359 (c) (2) were amended so each public school nurse employed or contracted by an LEA will maintain current CPR certification consistent with the guidelines of the American Heart Association. Additionally the law requires the Department of Education to survey schools for number of CPR certified personnel and students and to survey for the method of payment for CPR training for employees. Schools may provide CPR training as professional development. (Public Chapter 886)
4. Tennessee Code Annotated Section 49-6-5004 authorizes health care professionals to indicate the need for a dental or vision screening on any report or form used in relationship to reporting immunization status for a child. Health care professionals shall provide a copy of such report or form to the parents or guardians indicating the need to seek appropriate follow up. (Public Chapter 707)
5. Tennessee Code Annotated Section 49-1-1001 was amended (PC 554) to expand Coordinated School Health authorization and funding to all LEA's in Tennessee, established a State Coordinator and Physical Education Specialist position within the Tennessee Department of Education, and mandates that all students K-12 receive 90 minutes of physical activity per week.
6. The Guidelines for Use of Health Care Professionals and Health Care Procedures in a School Setting (TCA 49-5-415) was updated to include new allergy guidelines.